Overview
The A-320VA MBITR vehicle adapter is a compact, lightweight solution allowing for easy vehicle integration with the popular A-320 20-watt amplifier. This rugged shock tray, weighing less than five pounds, also includes a charging pocket for the AN/PRC-152 MBITR radio. Communications continuity is enhanced as the design allows for the radio to be used while in charging mode. The A-320 supports Demand Assigned Multiple Access (DAMA) and other JTRS waveforms. A number of optional components are also available such as RF interconnecting cables, high-power 20-watt capable 30-90 MHz blade antenna and high-power 20-watt capable 90-512 MHz broadband antenna.

Applications
The A-320VA MBITR vehicle adapter is designed for multiple platforms: vehicle, aerial, ATVs or any other platform where space is a factor or essential. The adapter allows for the user to benefit from all the many advantages of the A-320 amplifier.

Features
- Small form factor
- Integrated DC regulation
- Secures and charges MBITR without special adapters
- Accepts standard MBITR cables
- Easy installation
- Ideal for “jerk-and-run” applications
- The A-320 amplifier installed in adapter provides:
  - 20 watts of power across the entire 30-512 MHz range
  - SOTM capability
  - SINCgars & HAVEQUICK
  - ECCM capability
  - DAMA ready transition

Radio and A-320 amplifier sold separately.
# MBITR 20-Watt Vehicle Adapter

## A-320VA

### Technical Specifications:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A-320VA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (H x W x D - inches)</td>
<td>4.8 x 7.5 x 9.5</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt;4.5 lbs.</td>
</tr>
<tr>
<td>DC Input</td>
<td>11-36 VDC</td>
</tr>
</tbody>
</table>

### Protection:

- Over Current
- Over Voltage
- Reverse Polarity
- Operating Temperature: -40° to +60° C

### Includes:

- Integrated charging pocket for MBITR radio
- DC Power Cabling
- A-320 DC Power Cable

### Optional:

- 20-watt, 30-512 MHz A-320 amplifier
- 20-watt capable 90-512 MHz broadband antenna
- 20-watt capable 30-90 MHz blade antenna
- RF Interconnecting Cables

### Indicators:

- Power ON/OFF Switch
- Power On/ Fault Indicator LED
- Charge LED